| Advanced Course in Dental Anesthesiology I | Lecture/Lab./Clinic Academic year 1,2 credits 2,4 |

[Keywords] General and local anesthesia, emergent medical care, sedation for dentistry, pain clinic, monitoring

[Academics] Masaru Kudo

[Course aims]
Dentistry essentially requires focused concentration in the oral cavity when treating patients, which sometimes leads to insufficient attention to their general condition. However, dentists should be aware that there is an increasing number of dental patients suffering from various comorbidities due to the aging population. These fragile patients might deteriorate even during dental care, and require emergent intervention. This course deals with the stress response to painful stimuli, how to prevent and manage systemic complications, and use of equipment monitoring biological information when treating medically compromised dental patients.

[Course objectives]
  The goals of this course are for students to be able to:
  (1) Explain the respiratory and cardiovascular changes that occur during dental procedures.
  (2) Explain the dynamics of stress-induced hormones.
  (3) Conduct research on stress management during dental care and present the results.

[Course content]

Class	Theme	Content	Academics
1	Classroom lectures.		Masaru Kudo
2	Attend journal club and accumulate broad knowledge.		Masaru Kudo
3	Develop clinical or animal study design skills, and perform an investigation regarding dental anesthesiology issues.		Masaru Kudo
4	Presentation of the results of the investigation.		Masaru Kudo

[Class implementation method]
Combination of face-to-face learning and distance learning
Class implementation depends on the implementation policy of each department (graduate school) or school.

[Grading policies]
  Your overall grade in class will be decided based on class attendance and reports.

[Textbook]
Students will be informed of which textbook to use.

[Reference book]
Students will be informed of which reference book to use.

[Preparation for course]
  Students must understand the course objectives and prepare appropriately for classes.